

The Ohio Hollow Block Co.,

MANUFACTURERS AND IMPORTERS

Building Blocks, Drain Tile,

Brick, and Fire Clay. . . . .

CANTON, OHIO.

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VICE PRESIDENT.

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# THE OHIO HOLLOW BLOCK Co.,

MANUFACTURERS AND SHIPPERS OF

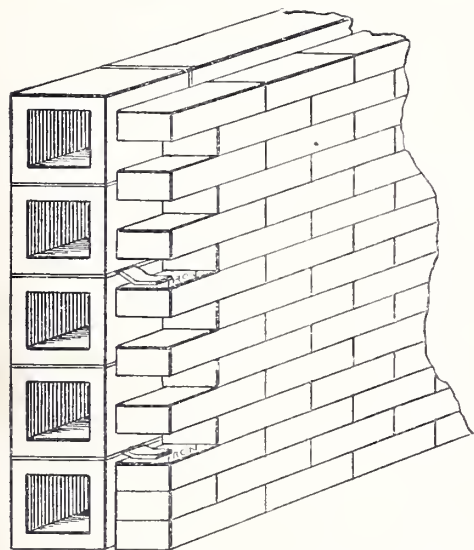
Building Blocks Drain Tile,



Fire Proofing, Brick and Fire Clay.

FACTORIES:  
CANTON,  
OSNABURG,  
LOUISVILLE,  
MAGNOLIA.

CANTON, OHIO.



HOLLOW BRICK WALL VENEERED WITH  
PRESSED BRICK, TIED EVERY FOURTH COURSE  
WITH GALVANIZED IRON.

THE massive business blocks, 10 stories or more in height, going up in all our large cities today, are in a great majority of cases built of brick mainly, and many of them entirely ignoring stone and iron. Not only for the reason given, but because the advance in the *Hollow Brick making* has placed this material in the front rank for ornate purposes. So that it may be truthfully said that the maximum of strength, beauty and indestructibility is today found in clay construction.

There has been a gradual approach to

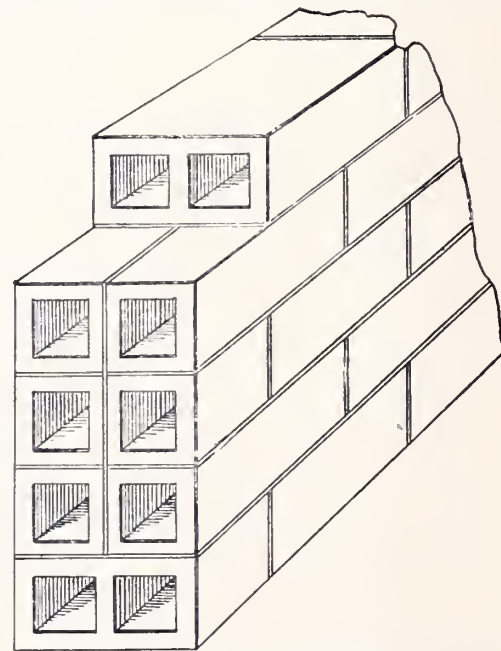
#### HOLLOW CONSTRUCTION.

until now no first-class building is erected in any of our cities, in which inside walls are not made in whole or in part of Hollow Brick Tiling. About \$200,000 worth of this material was employed in the construction of the great Auditorium Building in Chicago, while numerous single business buildings in that city have each absorbed \$50,000 to \$100,000 worth of the same material.

These hollow tiles made mainly in the forms herewith shown have begun to be employed for outer walls, especially in Ohio and Illinois, where large business buildings and factories, from

foundation up, and containing heavy machinery or merchandise, have been built of them.

The process of manufacture is quite interesting. A plastic fire clay being used as the base of the material, is moulded into various forms and sizes, all, however, being of hollow construction, so that when built into a wall, a perfect dead air space is always formed resisting the changes of temperature more perfectly than any other building material. The clay, after passing through many processes of manufacture, is placed in kilns, and, with intense heat, is burned to vitrification and glazed, making the material not only beautiful in finish



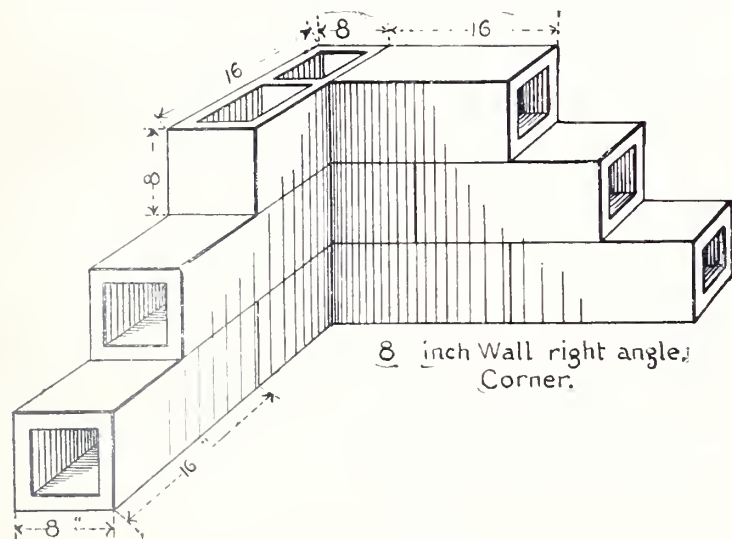
17" WALL, SHOWING CONSTRUCTION OF  
8" x 8" x 16" AND HEADERS OF 8"  
CORNER-BLOCKS.





but *moisture proof*, and therefore, *impervious to the ravages of the elements*. It is a well-known fact that a red brick building absorbs tons of water during the rains, and, in cold weather, this moisture is frozen in the walls. Every person has noticed the decay of brick walls near the ground at the frost line. Nothing of this kind will happen to a wall built of our hollow building tile; as no water is absorbed the walls are not affected by freezing.

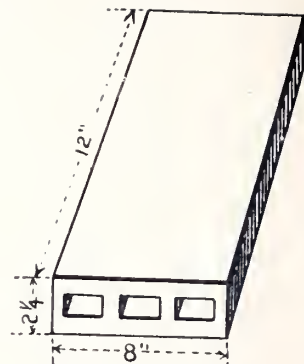
The hollow brick of the manufacture described above weigh about one-third of common brick of the same



temperature don't interfere with the temperature in the chimney flue.

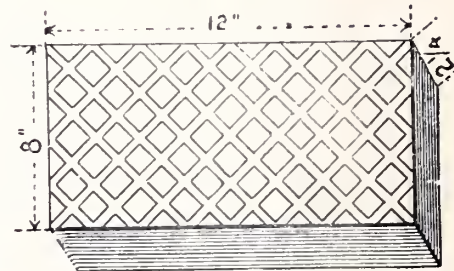
We recommend the use of hollow brick everywhere, where transportations of long distances would increase the price of heavy solid brick too much; for all kinds of country houses, barns, stables, shops, store-rooms,

therefore are easier to handle, cheaper to transport, and can be used for constructions where solid brick would add much to the weight of high structures. For the construction of cellar-arches, arches between iron girders for ceilings or supporting fire-proof stairways, the hollow brick are unsurpassed on account of their light weight not interfering with strength or solidity. A hollow wall built of hollow brick is the best non-conductor, and a house built of such will be warm in winter and cool in summer. A chimney built of hollow brick, joints well filled with mortar, will always have a better draft than any other, because, sudden changes in the



**CELLAR  
PAVER.**

Price, \$30 per M.



**SIDE WALK.  
PAVER.**

Price \$50 per M.



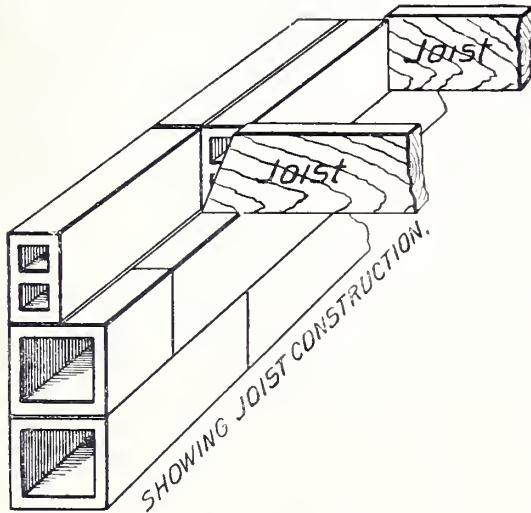


RESIDENCE OF MR. PETER BALMAT, LOUISVILLE, O.

ware-houses, etc.; for cellar arches, ceilings, floors, supporting arches of fire-proof stairways, all kinds of chimneys, smoke stacks for boilers, inside partitions and numerous other purposes, and in very many cases the introduction of hollow brick would replace the use of high priced lumber, and would make buildings more durable, healthy and fire-proof.

Instead of their being used principally as a foundation element, they are being largely used to form the outside walls of large and handsome buildings. The well-known clay-working machinery manufacturers, The Frey-Sheckler Co., Bucyrus, Ohio, have within the last year come into possession of valuable patents covering the exclusive use and manufacture of a device for ornamenting hollow building blocks and bricks, which machine they have now placed upon the market. The cuts of some of the designs furnished by this company are herewith shown to enable our customers to form an idea of their utility and beauty. Rock-face work together with any design which can be successfully worked in clay can be made by our company upon solicitation.

## OTHER ADVANTAGES.



- 1st. Being less than one-third the weight of brick, the cost of freight and cartage is reduced proportionally.
- 2nd. There being only about one-eighth the mortared surface, the material and labor required in laying is reduced proportionally.
- 3rd. The wall can be much more rapidly laid than any other wall of masonry.
- 4th. The crushing strength of a standard size building block, made under the most accurate and scientific test is shown to be **283,400** pounds.
- 5th. As to strength; we have in mind some of the most notable "Sky scrapers" of Chicago, but will notice one of them. This, a twelve or thirteen-story building, stands on the foundation and walls in part of the old "Board of Trade Building," corner of Washington and LaSalle Streets, and is one of the most beautiful of the office buildings of that city. Upon the top of these walls stands nine stories of wall of hollow blocks of terra cotta. One has to be told that they are not stone in order to know it. The face, ends and sides of the block are intact, but the inner side is hollow or recessed





to reduce the weight by nearly one-half as against solid blocks, the result being—the lightest possible material to try, by their towering height, the foundations.

**Following is a Report of a Recent Test of one of our 8x8x16 in. Blocks :**

**PITTSBURGH TESTING LABORATORY, Ltd.**

200-10-9-93.

FORM 14.

**Inspecting and Metallurgical Engineers  
and Chemists.**

**113 WATER STREET.**

GEORGE H. CLAPP, Chairman.

ALFRED E. HUNT, Vice-Chairman and Treasurer

BRANCH OFFICES:

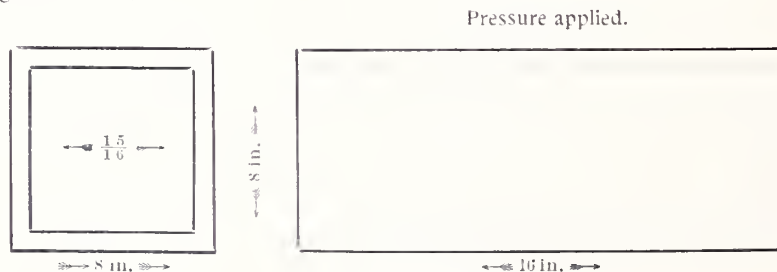
PHILADELPHIA, PA.

CHICAGO, ILL.

February 2nd, 1894.

Report of Tests of Hollow Building Blocks.

Made for The Ohio Hollow Building Block Co., Canton, O.



Failed at 283,400 pounds.

Pittsburgh Testing Laboratory, Ltd.

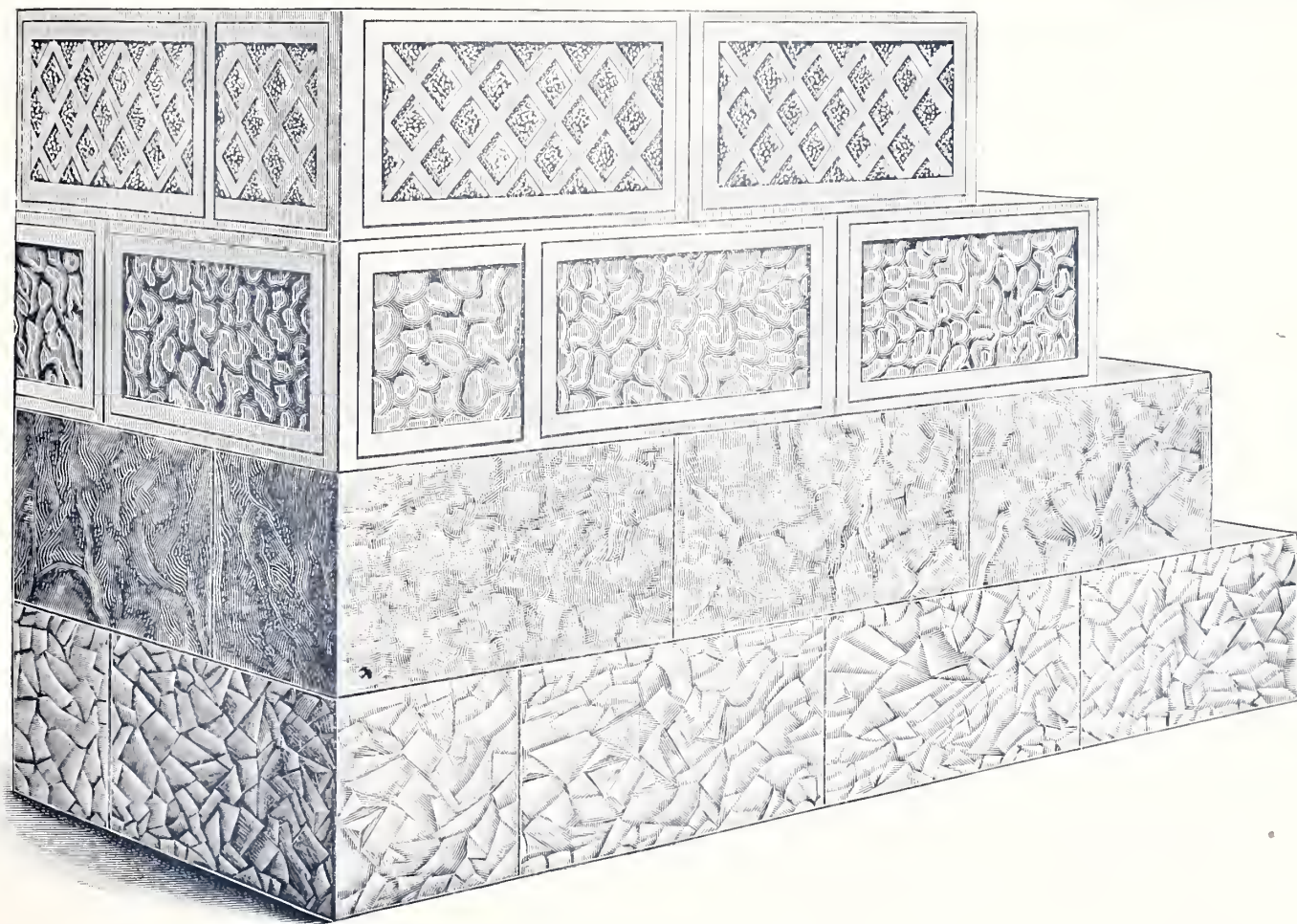
**John M. Bailey,**

Secretary.

6th. Durability. Upon this point we need not dwell, because the qualities are the same as found in brick.

7th. Must compete in cost. **We estimate their cost to be much less than brick.**





8th. Adaptation to varying architectural requirements. Good judgment being used, the various sized blocks will, as a rule, represent a certain number of brick laid in a wall. This will make it possible and easy to carry forward any supplementary work, as chimneys, etc. It is practicable to adapt blocks to receiving and holding in position window and door frames with better provision than is ordinarily made in brickwork for ventilating and smoke flues, and floor joists and rafters will fall naturally into places prepared for them.

9th. Greater resistance to heat and cold. It is well-known that air is the best of non-conductor, and that felt, asbestos, etc., are valuable for this purpose in proportion to their air cell capacity. The so-called "Hollow brick wall" is usually only so in name. The two inches or so of space left is ordinarily filled with droppings of mortar, and the brick take up another large per cent. of what we are pleased to call an air chamber. Volume of air space plays as much a part in non-conduction as the area of a brick does to its weight. Hence two inches space in a hollow brick wall, even though unobstructed, may be compared with six inches and upwards in a hollow block wall.

10th. Best adapted to ventilation. Good ventilation means health and comfort and fewer doctors' bills, length of days and brighter ones. We are getting to understand this, but we don't yet know what a boon in this line the Hollow Building Block is to be, with horizontal and vertical air ducts and a system of both direct and indirect connection with the great reservoir of pure outside air.

11th. Adaptation to electrical and other appliances. It will readily be seen why a hollow block will furnish space for telephone, electric light and power, burglar alarm and other requirement of wires or pipes that may come from the future invention of Edison or his coinventors.

12th. As to artistic designs. All that can be said of the beauty of ornamental brick or stonework may be said of the Hollow Building Block, and more may be added since brickwork is somewhat restricted in scope by the size of the individual block, while the block representing the face of from four to eight brick, each may represent a variety of stonework from broken-faced to paneled and fret work, and may also include any style of bond or ornamental design. From foundation to cornice, door and window, cope and environments, water tables and corner pilasters, belt courses and panels, are yet to be the products of a multitude of works now producing only common brick.—(CLAY WORKER.)

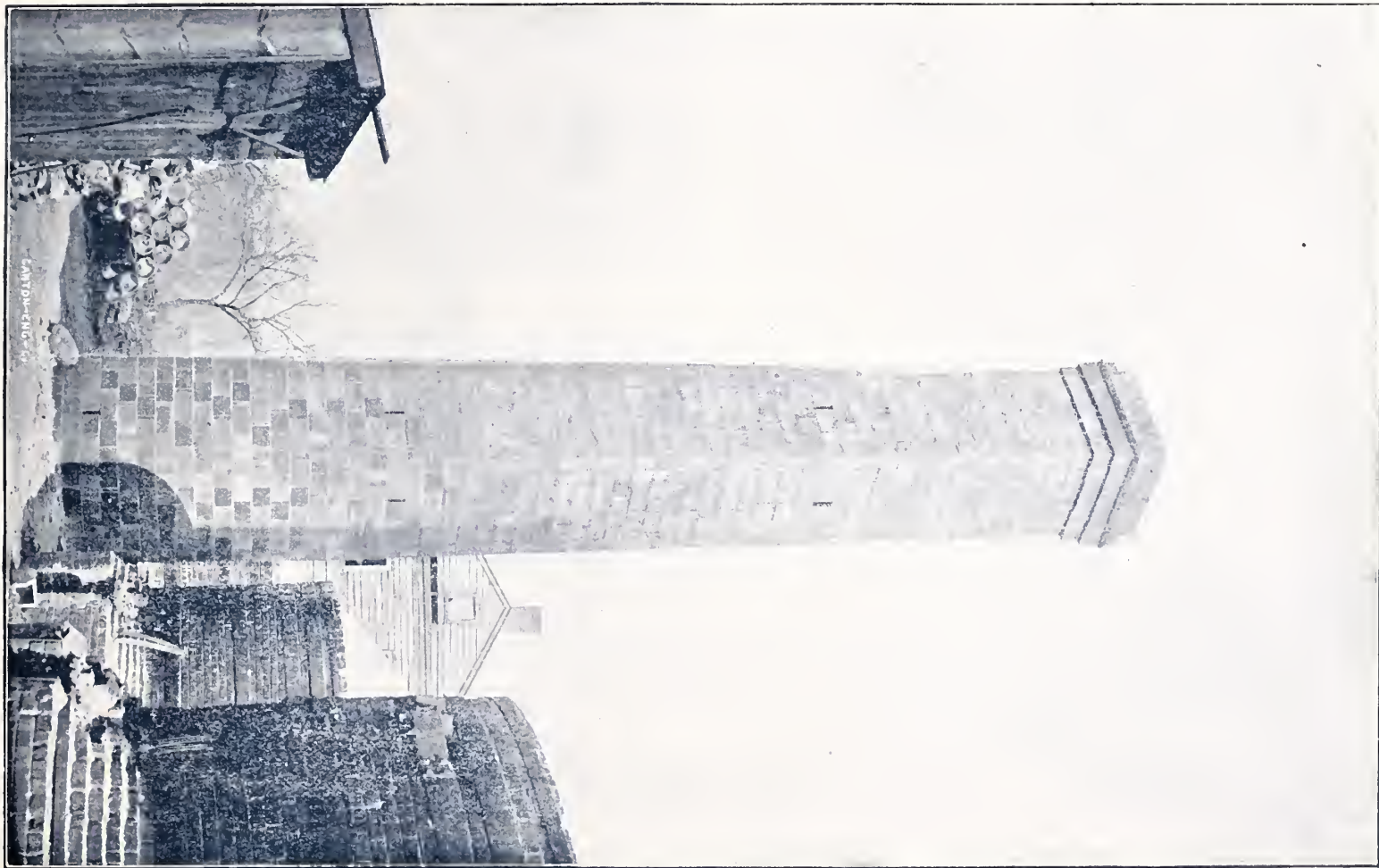
## PRICE LIST.

Size of Block, 8x8x16 in. long, .....	Weight, 34 lbs. ....	Car loads, F. O. B. Factory .....	8c.
" " 8x10x16. " with partition.....	" 48 "	" " " " .....	10c.
" " 8x12x16. " " " " .....	" 54 "	" " " " .....	12c.
" " 8x10x3 ft. long, Steps, with partition. "	" 150 "	" " " " .....	per ft., 25c.
" " 8x10x4 ft. " " " " " " " "	" 150 "	" " " " .....	per ft., 25c.
" " 8x12x3 ft. " " " " " " " "	" 120 "	" " " " .....	per ft., 30c.
" " 8x12x4 ft. " " " " " " " "	" 160 "	" " " " .....	per ft., 30c.

By giving exact dimensions of cellar, with size of openings, we can furnish you exactly what is required to build your walls.

Estimates cheerfully given for furnishing and constructing foundations.





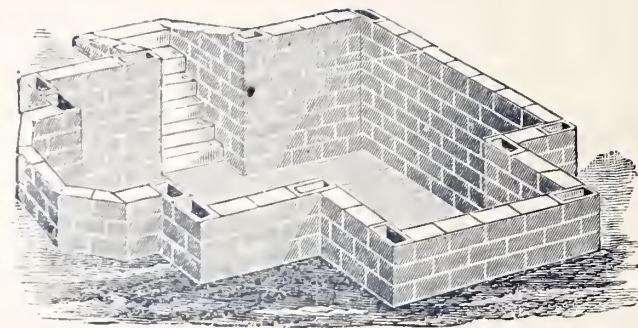
## DIRECTIONS FOR BUILDING.

Break all joints.

At right angles and openings, use regular block.

For bay windows, use angle block made expressly for that purpose.

Lay in mortar— one part lime, two parts sharp sand, gauged with best Portland cement.



## DRAIN TILE.—In One Foot Lengths.

Inside Diameter	PRICE.					Branches each,	Weight per foot,
2½ in.	\$	12 00	per	1,000	feet	7 c...	3 lbs. .
3 "	"	15 00	"	"	"	8 c...	4 lbs. .
4 "	"	22 00	"	"	"	10 c...	6 lbs. .
5 "	"	30 00	"	"	"	12 c...	8 lbs. .
6 "	"	44 00	"	"	"	15 c...	12 lbs. .
8 "	"	80 00	"	"	"	25 c...	18 lbs. .
10 "	"	120 00	"	"	"	40 c...	28 lbs. .
12 "	"	150 00	"	"	"	60 c...	42 lbs. .

The above Prices are for goods F. O. B. at the Factory. No allowance for breakage.

# TESTIMONIALS.

LOUISVILLE, Ohio, February 14, 1894.

*The Ohio Hollow Block Co., Canton, Ohio:*

GENTS: The house that I built of your Rock Face Building Blocks are satisfactory in every respect. It is nice, cheap, warm, durable and fire-proof. Never damp; when it was 4 degrees below zero on the outside it was 42 degrees inside, and no fire had been made for over ten hours. I consider it the best material in the world for a good house. Should I ever build any more houses will build of same material. It is admired by all. Shall be pleased to show the house to any one or answer letters concerning it. If you intend to build by all means use the Rock Face Building Blocks, and you will never regret it.

Yours respectfully,

PETER BALMAT.

*To Whom it May Concern:*

We, the undersigned, have been in the building brick business for the last four years in our city (Alliance, Ohio) and must truly say, as far as we know, for anyone who wishes to build a cheap, substantial house, they are just the thing for cellar walls and foundations. They never crumble with frost, and are as durable as the best of stone (if properly burned) and make a much warmer and dryer cellar.

Respectfully yours,

I. G. TOLERTON & SON.

SHARON, Pa., January 25, 1892.

*The Ohio Hollow Block Co., Canton, Ohio:*

GENTLEMEN: The Building blocks we bought from you for twenty cellars at Wilmerding, Pa., were entirely satisfactory. The people there are very much

pleased with them. They make a nice appearance, are quickly built, and are cheaper than stone. We gladly recommend them to anyone for cellar walls, as they fill the bill for which they were intended in every respect. When needing more you will hear from us. Yours very truly,

WALLIS & CARLEY.

MASSILLON, Ohio, January 10, 1892.

*Ohio Hollow Block Co., Canton, Ohio:*

DEAR SIR: Have finished Veterinary Hospital, for which you furnished building blocks. The building is 60 feet long, 35 feet wide and 26 feet in height; comprises a basement, a first and second story. It makes a very good appearance; is strictly fire-proof, durable and satisfactory in every particular.

We can recommend building blocks to be very cheap and durable, as compared with other building materials. Yours truly,

DRS. F. Z. GROFF & SON.

MINERVA, O., January 1, 1892.

*Ohio Hollow Block Co., Canton, Ohio:*

GENTS:—I will want several carloads of your hollow brick the coming spring. They are good—giving satisfaction in every particular. I have used them for five or six years. I suppose there are more than thirty houses here with tile walls under them, and several warehouses 40x60.

Yours respectfully,

GEORGE M. BOWDEN.

